

High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Education

Pathway: Drafting/CAD

Region: Mountainland	District:	School:	College/Institution: Utah Valley State College Articulation Agreement in place? Yes Name of Degree or Certificate: AAS Engineering Graphics And Design Technology (65 Credits Required)
Contact Person: Lisa Birch		Ph.#: 801.492.2900	
E-mail: lisa.birch@mountainlandatc.org		Date: 04/2007	

High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
ENGL	ENGLISH		2	ENGL	ENGLISH	2
ENGL1010	College Writing * ^	1		ENGL1010	Introduction to Writing (3.0)	
				ENGL1060	Career Writing for Technology (3.0)	
				ENGL106A	Career Writing for Technology—A (2.0)	
				MGMT2200	Business Communications (3.0)	
MATH	MATHEMATICS		3	MATH	MATHEMATICS	6
MATH1050	Pre Calculus *	1		MATH1050 or EGDT1600	College Algebra or Technical Math—Algebra	
				MATH1060 or EGDT1610	Trigonometry or Technical Math—Geometry/Trig	
	HUMANTIES/FINE ARTS Complete one course from the following:		3		HUMANITIES/FINE ARTS Complete one course from the following:	3
				PHIL2050	Ethics and Values (recommended)	
HUM1010	Humanities * ^	1		HUM1010	Humanities Through the Arts (recommended)	
COMM1020	Public Speaking ^	1		COM1020	Public Speaking	
ART1010	Art/Art Foundations *	1		ART1010	Introduction to Visual Arts	
50.0406	Photo II *	.50		ART1050	Photography I	
ART1110	AP Drawing *	1		ART1110	Drawing I	
ART1340	3-D Design II *	1		ART1340	Sculpture I	
ART1350	Ceramics II *	1		ART1350	Ceramics I	
ARTH2720	Art History *	1		ARTH2720	History of Art from the Renaissance	

MUSC1010	Music Appreciation *	1		MUSC1010	Introduction to Music	
THEA1013	Introduction to Theater ^	1		THEA1013	Introduction to Theater	
THEA1023	Film/Video Production I or II *	1		THEA1023	Introduction to Film	
				→	Any other approved Humanities/ Fine Arts distribution course	
	SOCIAL/BEHAVIORAL/POLITICAL SCIENCE Complete one course from the following:		2		SOCIAL/BEHAVIORAL/POLITICAL SCIENCE Complete one course from the following:	2
				MGMT3000	Organizational Behavior (recommended)	
GEOG1300	Survey of World Geography ^	1		GEOG1300	Survey of World Geography	
HIST1100	History of Civilization *	1		HIST1100	History of Civilization I	
HIST1700	AP US History *	1		HIST1700	American Civilization	
52.0211	Business Management *	.5		MGMT1010	Introduction to Business	
MGMT2020	Macroeconomics ^	.5		MGMT2020	Macroeconomics	
POLS1100	American National Government ^	1		POLS1100	American National Government	
PSY1010	AP Psychology * Gen. Psych. ^	1		PSY1010	General Psychology	
SOC1010	Sociology * Intro to Sociology ^	1		SOC1010	Introduction to Sociology	
				→	Any other approved Social/Behavioral Science distribution course	
	BIOLOGY/PHYSICAL SCIENCE		2		BIOLOGY/PHYSICAL SCIENCE	2
21.0105	Physics with Technology *	1		PHYS1810	Principles of Technology I	
	PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT		1		PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT	1
HLTH1100	Personal Health & Wellness ^	.5		HLTH1100	Personal Health & Wellness	
				→	Any other approved Physical Ed./Health/Safety or Environment distribution course	

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** *= concurrent ^= distant

High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Sciences

Pathway: Drafting/CAD

High School				College		
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
	<u>Foundation Courses: (2.00 required)</u>					
15.1301	Drafting & Design Technology	.50	3	EGDT1070	3 Dimensional Computer Modeling	3
15.1304	Architectural Drafting	1.00	3	EGDT1100	Architectural Drafting	3
15.1302	Drafting CAD	.50	3	EGDT1040	Computer Aided Drafting—AutoCAD	3
15.1306	Mechanical Drafting	1.00				
	<u>Elective Courses: (1:00 required)</u>					
46.0201	Carpentry	1.00				
48.0503	Machine Tool	1.00				
48.0701	Woodworking	.50				
32.0199	Student Internship (Critical Workplace Skills)	.50				
				EGDT1010	Electrical-Electronic Drafting	3
				EGDT1080	AutoLisp	2
				EGDT1200	Mechanical Drafting	3
				EGDT1300	Structural Drafting	3
				EGDT1400	Surveying	4
				EGDT2040	Piping Drafting	2
				EGDT2050	Plate Layout	2
				EGDT2600	Statics	3
				EGDT2610	Strength of Materials	3
				EGDT2850	Cooperative Correlated Instruction/Oreintation	.5
				EGDT2860	Cooperative Correlated Instruction/Skills USA	.5
				EGDT2870	Portfolio and Career Preparation	1
				AIM1340	Beginning Computer Applications	2
				→	<u>Electives:</u> (choose 3 courses from the following list for a minimum of 8 credits)	8
				EGDT1060	Microstation (2.0)	
				EGDT2010	Advanced Electrical—CAD (2.0)	
				EGDT2100	Advanced Architectural—CAD (3.0)	
				EGDT2200	Advanced Mechanical—CAD (3.0)	
				EGDT2300	Advanced Structural—CAD (3.0)	
				EGDT2400	Surveying Applications (4.0)	
				EGDT2710	Special Problems—Mechanical (2.0)	
				EGDT2720	Special Problems—Surveying (2.0)	
				EGDT2730	Special Problems—Civil Drafting (2.0)	

				EGDT2740	Special Problems—Architectural (2.0)	
				EGDT2750	Special Problems—Architectural Rendering (2.0)	
				EGDT2760	Special Problems—Structural (2.0)	
				EGDT2780	Special Problems—Electrical (2.0)	
				EGDT281R	Cooperative Work Experience (1.0)	
	Additional Articulated Classes Below					
EGDT2020	Descriptive Geometry *	1.00	3	EGDT2020	Descriptive Geometry	3
TOTAL Potential Credits Earned in High School			25	TOTAL Credits Required for Degree or Certificate		65

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